

CLAIMS:

1. A transflective liquid crystal display device which a reflective mode using external light and a transmissive mode using a light source comprising:
 - 5 a light source using in the transmissive mode;
 - a liquid crystal panel, arranged over said light source, for operating as display element in the transmissive mode; and
 - an optical element, arranged over said liquid crystal panel, for operating as display element in the reflective mode.
- 10 2. The transflective liquid crystal display device according to claim 1, wherein said optical element passes light from said light source in the transmissive mode and reflects said external light in the reflective mode.
3. The transflective liquid crystal display device according to claim 1 or 2, further comprising switching control means for switching controlling the power supply such that said liquid crystal panel operates as display element in the
15 transmissive mode and said optical element operates as display element in the reflective mode.
4. The transflective liquid crystal display device according to any one of claim 1 to 3, wherein said optical element has an arrangement of pixel and has color filter.
- 20 5. A transflective liquid crystal display device which a reflective mode using external light and a transmissive mode using a light source comprising:
 - a light source using in the transmissive mode;
 - an optical element, arranged over said light source, for passing light from said light source in the transmissive mode and for reflecting said external light in the
25 reflective mode; and
 - a liquid crystal panel, arranged over said optical element, for operating as display element.
6. The transflective liquid crystal display device according to claim 5, further comprising switching control means for switching controlling the power supply such
30 that light from said light source passes said optical element in the transmissive mode and said external light reflects said optical element in the reflective mode.
7. The transflective liquid crystal display device according to any one of claim 1 to 6, wherein said optical element has a polymer dispersed type liquid crystal display element or a polymer network type liquid crystal display element.